

packaging the fragments into the data packages such that the data packages are separately transmittable over the conveying network and such that the data packages are separately transmittable by a short message service; the data packages include a reference parameter corresponding to a number indicating the position of the fragments in the message.

28. The method of claim 27, wherein:  
the dividing step is performed by a fragmenter;  
the packaging step is performed by a packager; and  
the fragmenter and the packager comprise a message center coupled to a serving wireless telecommunications network that transmits the message to the wireless terminal.

29. The method of claim 27, wherein:  
the dividing step is performed by a fragmenter;  
the packaging step is performed by a packager; and  
the fragmenter and the packager comprise a short message entity.

30. The method of claim 27, wherein the packaging step is performed by a packager, and the packager adds the reference parameter into the data packages.

31. The method of claim 27, wherein the data packages further include one or more of the following: an indicia of the size of the message, and an indicia of the identity of the message.

32. A method for transmitting a message using a short message service over a conveying network in more than one data package, the method comprising:

4 dividing the message into fragments at a short message service  
5 application protocol layer based on the capacity of the conveying network such  
6 that the size of the fragments does not exceed the capacity of the conveying  
7 network; and

8 packaging the fragments into the data packages such that the data  
9 packages are separately transmittable by the short message service over the  
10 conveying network;

11 the data packages include a reference parameter corresponding to a  
12 number indicating the position of the fragments in the message.

C/ 1 33. The method of claim 32, further comprising the step of determining  
2 a capacity of the components of the conveying network for transmitting data,  
3 the capacity of the conveying network being a maximum amount of data that  
4 can be transmitted through the conveying network as a single package of data.

1 34. The method of claim 32, wherein:  
2 the dividing step is performed by a fragmenter;  
3 the packaging step is performed by a packager; and  
4 the fragmenter and the packager comprise a message center coupled to a  
5 serving wireless telecommunications network that transmits the message to the  
6 wireless terminal.

1 35. The method of claim 32, wherein:  
2 the dividing step is performed by a fragmenter;  
3 the packaging step is performed by a packager; and  
4 the fragmenter and the packager comprise a short message entity.

1 36. The method of claim 32, wherein the packaging step is performed  
2 by a packager, and the packager adds the reference parameter into the data  
3 packages.

1 37. The method of claim 32, wherein the data packages further include  
2 one or more of the following: an indicia of the size of the message, and an  
3 indicia of the identity of the message.

1 38. A method for transmitting a message over a conveying network in  
2 more than one data package, the method comprising:

3 dividing the message into fragments at a short message service  
4 application protocol layer based on the capacity of the conveying network such  
5 that the size of the fragments does not exceed the capacity of the conveying  
6 network, the capacity of the conveying network being a maximum amount of  
7 data that can be transmitted through the conveying network as a single  
8 package of data; and

9 packaging the fragments into the data packages such that the data  
10 packages are operable to be separately transmitted by a short message service  
11 over the conveying network, data packages include a reference parameter  
12 corresponding to a number indicating the position of the fragments in the  
13 message.

1 2 39. The method of claim 38, further comprising the step of determining  
2 a capacity of the components of the conveying network for transmitting data.

1 3 40. The method of claim 38, wherein the packaging step is performed  
2 by a packager, and the packager adds the reference parameter into the data  
3 packages.

1 <sup>4</sup>41. The method of claim <sup>1</sup>~~38~~, wherein the data packages further include  
2 one or more of the following: an indicia of the size of the message, and an  
3 indicia of the identity of the message.

1 <sup>5</sup>42. The method of claim <sup>2</sup>~~39~~, wherein each element of the information  
2 path over which the data packages are transmitted is used in determining the  
3 capacity of the conveying network.

1 <sup>6</sup>43. The method of claim <sup>2</sup>~~39~~, wherein the step of determining a capacity  
2 comprises determining one or more of the following: a number of characters in  
3 the message that are operable to be transmitted in the data packages, and a  
4 number of bits in the message that are operable to be transmitted in the data  
5 packages.

1 <sup>7</sup>44. The method of claim <sup>2</sup>~~39~~, wherein the step of determining the  
2 capacity comprises determining the capacity based on a capacity indication  
3 from a serving wireless telecommunications network in the conveying network.

1 <sup>8</sup>45. The method of claim <sup>1</sup>~~38~~, wherein:  
2 the dividing step is performed by a fragmenter;  
3 the packaging step is performed by a packager; and  
4 the fragmenter and the packager comprise a message center coupled to a  
5 serving wireless telecommunications network that transmits the message to the  
6 wireless terminal.

1 <sup>9</sup>46. The method of claim <sup>1</sup>~~38~~, wherein:  
2 the dividing step is performed by a fragmenter;  
3 the packaging step is performed by a packager; and  
4 the fragmenter and the packager comprise a short message entity.